AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A clock, with a mechanical, electrical or electronic motor, with analog and unambiguous 24 hour display, with at least one indicating element for the hours, ~~which is driven by an hour tube (18), characterised in that~~ the clock comprising:

[[- the]] at least one indicating element ~~(5)~~ for the hours being driven by an hour tube and running ~~runs~~ around a ~~two-loop-closed curve (7, 31), called a~~ first conchoid; ~~or Pascal snail, of which~~

wherein each point is touched exactly once in 24 hours by the indicating element ~~(5)~~, whereby the ~~said curve (7, 31)~~ first conchoid has an outer loop ~~(8, 40)~~ and an inner loop ~~((9, 41)~~ with a crossing point ~~(42)~~ of the inner loop and the outer loop; and ~~two loops (8, 40; 9, 41),~~

[[-]] guiding means ~~are present to guide~~ for guiding the at least one indicating element ~~(5)~~ along the first conchoid. ~~said two-loop-curve (7, 31),~~

~~- the angular position of the indicating element (5) with regard to the null points of time at 12 h and 24 h is that as in known clocks.~~

2. (Currently Amended) A clock according to Claim 1, ~~characterised in that~~ wherein

[-] the guiding means ~~by which the indicating element is guided along the said two-loop-curve (7, 31) comprise the following elements,~~ comprises:

[-] a groove, at least indirectly connected to ~~the~~ a dial ~~(24)~~, ~~which is also~~ wherein the groove is formed as a ~~two-loop-closed-curve in the shape of a~~ second conchoid; ~~(10),~~

[-] a guiding element ~~(12, 17), which can move~~ for moving along in the ~~said~~ second conchoid, ~~(10) and carries~~ the guiding element carrying a guide pin; ~~(21),~~

[-] an element ~~(11, 14) firmly~~ fixed to ~~the~~ an hour tube ~~(18)~~, ~~which moves~~ the element moving the guiding element ~~(12, 17)~~ in the second conchoid ~~(10)~~ at least indirectly[[,]]; and

~~an~~ wherein the indicating element ~~(13), which~~ is moved in a radial direction by the guide pin ~~(21)~~, and in the azimuthal direction by the element ~~(11, 14) firmly~~ fixed to the hour tube ~~(18)~~.

3. (Currently Amended) A clock according to Claim 2, ~~characterised in that~~ wherein the indicating element comprises: ~~a variable length hour hand (5) is present with~~

an inner part ~~(14) and an outer part (13), whereby~~, wherein the inner part ~~(14) can be~~ is joined to the element ~~firmly~~ joined to the hour tube; and ~~(18),~~

[[-]] an ~~the~~ outer part ~~(13) of the hour hand (5) can be~~, wherein the outer part is slid in a radial direction relative to the inner part ~~(14)~~ and is moved by ~~it~~ the guide pin in an azimuthal direction, wherein[[-]] the ~~radial movement of the outer part (13) of the hour hand (5) is caused by the~~ guide pin ~~(21), which~~ is at least indirectly in connection with the said outer part ~~(13),~~

~~the indicating element is the point of the outer part(13) of the hour hand (5)~~.

4. (Currently Amended) A clock according to Claim 3, ~~characterised in that~~ wherein the guiding element~~, which carries the guide pin (21),~~ is a sickle shaped sliding ~~e~~lement ~~(12), which can move~~ moving azimuthally with radial play in the ~~groove formed~~ second conchoid ~~(10), whereby;~~

wherein an outer radius of curvature of the sickle shaped sliding element ~~(12)~~ is smaller than ~~the~~ a smallest radius of curvature of ~~the~~ an outer surface of the ~~groove-shaped~~ second conchoid ~~(10)~~, and wherein an ~~the~~ inner radius of curvature of the sickle shaped sliding element ~~(12)~~ is greater than ~~the~~ a greatest radius of curvature of ~~the~~ an inner surface of the ~~groove-shaped~~ second conchoid ~~(10)~~.

5. (Currently Amended) A clock according to Claim 3, ~~characterised in that~~ wherein:

[[-]] the guiding element, which carries the guide pin, ~~(21) is a guiding element (17) with~~ includes at least three wheels ~~(26, 27, 28)~~ with parallel axles perpendicular to ~~the~~ a plane of the dial; ~~(24),~~

the guiding element includes ~~with~~ two arms ~~(29), further~~ and a carrying member ~~(25) is present,~~ in which the at least three ~~said~~ wheels ~~(26, 27, 28)~~ are mounted; ~~whereby~~

each of the two arms ~~(29)~~ carries one of the at least three wheels ~~wheel (26, 28),~~ and ~~the~~ a third of the at least three wheels ~~wheel (27)~~ is mounted between ~~the~~ a first and second of the at least three ~~two~~ wheels ~~(26, 28)~~ in the carrying member; ~~(25),~~

[[-]] the at least three wheels ~~(26, 27, 28)~~ are arranged behind one another in the direction of the track of the second conchoid ~~(10),~~ so that the first and the second wheels ~~third wheel (26, 28) can~~ touch the inner surface of the second conchoid ~~(10)~~ and the ~~centre~~ third wheel ~~(27)~~ touches the outer surface of the second conchoid; ~~(10),~~

[[-]] the at least three wheels ~~aforesaid~~ are further arranged so that, ~~both~~ at ~~the~~ a position in the second conchoid ~~(10)~~ with the greatest radius of curvature[[,]] and ~~also in that~~ a position in the second conchoid with the smallest radius of curvature, sufficient radial play is available so as to facilitate ~~easy aximuthal~~ azimuthal movement of the guiding element; and ~~(17),~~

[[-]] the guide pin ~~(21)~~ is arranged in ~~the~~ a region of the ~~centre~~ third wheel ~~(27)~~.

6. (Currently Amended) A clock according to Claim 5, ~~characterised in that of~~ wherein at least one of the two arms ~~(29)~~ between the ~~centre~~ third wheel ~~(27)~~ and the ~~outer~~ first and second wheels ~~(26, 28) at least one~~ is produced as a flexing spring ~~(30)~~ working in a radial direction.

7. (Currently Amended) A clock according to Claim 1, ~~characterised in that~~ wherein the guiding means ~~for guiding the indicating element on the said two loop curve (7, 31), comprise~~ comprises a plurality of gear wheels and a plurality of ~~the~~ arms ~~necessary~~ to carry ~~them~~ the plurality of gear wheels.

8. (Currently Amended) A clock according to Claim 7, ~~characterised in that~~ wherein [[-]] the guiding means ~~for guiding the indicating element on the said two loop curve (7, 31), comprise the following elements,~~ comprises:

[[-]] a first gear wheel (A), with radius r(A), ~~which is~~ arranged concentrically with the hour tube ~~(18)~~ with radius r(18) and the first gear wheel is ~~firmly~~ connected at least indirectly to the dial; ~~(24),~~

[[-]] a first arm ~~(32) firmly~~ connected to the hour tube ~~(18)~~ and extending outwards, wherein ~~in which~~ a first axle ~~(36)~~ of a second gear wheel ~~(B)~~ with radius r(B) is rotatably mounted to the first arm; [[,]]

[[-]] the second gear wheel (B) lies in the same plane as the first gear wheel (A) and meshes with the first gear wheel; ~~it,~~

[[-]] a third gear wheel (C) with radius r(C) ~~is present and~~ arranged concentrically with the second gear wheel (B) and ~~is firmly~~ connected to the first arm ~~(32)~~, wherein a second arm ~~(34)~~ is ~~present and similarly~~ fastened to the second gear wheel (B) on the same axle; [[,]]

[[-]] a fourth gear wheel with radius r(D1) ~~is present~~, ~~which lies~~ the fourth gear wheel lying in the same plane as the third gear wheel (C) and the third gear wheel meshes with the fourth gear wheel ~~it,~~

[[-]] the fourth gear wheel (Dl) is fastened on ~~an~~ a second axle ~~(33)~~ running parallel to the first axle ~~(36), which~~ , wherein the fourth gear wheel is mounted rotatably in the second arm; ~~(34),~~

[[-]] the second arm ~~(34)~~ carries ~~an~~ a third axle ~~(35)~~ at a distance d(E) from the first axle ~~(36), to which it~~ , wherein the second arm is fastened to the third axle and the third axle runs~~,~~ ~~running~~ parallel to the first axle; ~~it,~~

[[-]] a fifth gear wheel (E) ~~is present, which can rotate~~ rotatable about the ~~last named~~ third axle ~~(35)~~ and at a distance d(F) from ~~this carries~~ the third axle the guide pin ~~(21)~~ is arranged parallel to the third axle; ~~it,~~

[[-]] a sixth gear wheel (D2) with radius r(D2) ~~is present, which is~~ arranged in the same plane as the fifth gear wheel (E) and the fifth gear wheel meshes with the sixth gear wheel, wherein ~~it, whereby~~ the sixth gear wheel (D2) is fastened on the ~~same~~ second axle ~~(33) as the fourth gear wheel (D1),~~ and the sixth gear wheel is coaxial with fourth gear wheel; and ~~it,~~

[[-]] the following relationships apply for the radii r(A), r(B), r(c), r(D1), r(D2):

$$r(B) = 2r(A)$$

$$r(C) = 2r(Dl)$$

$$r(E) = r(D2).$$

9. (Currently Amended) A clock according to Claim 8, ~~characterised in that~~ wherein:

[[-]] the crossing point ~~(42) of the two loops (40, 41) of the two loop curve (31)~~ has a distance d(31) from ~~the centre~~ a center of the hour tube ~~(18) whereby~~ wherein

$$r(A) + r(B = d(31)$$

applies[[,]];

[[-]] ~~the~~ a greatest radial distance of each of the inner loop and outer loop ~~two loops (40, 41) of the two loop curve (31)~~ amounts to d(40) or d(41) and is connected to the distances d(E) and d(F) in accordance with the following equations:

$$d(E) = d(F)$$

$$d(40) - d(41) = 4d(E)[[,]]; \text{ and}$$

[[-]] the hour tube ~~(18)~~ has an outer radius r(18), which together with r(A), r(B) , and r(C) define the limitation that:

$$r(C) < r(A) + r(B) - r(18).$$

10. (Currently Amended) A clock according to Claim 3 ~~and Claim 7~~, ~~characterised in that~~ wherein:

[[-]] the element ~~firmly~~ joined to the hour tube ~~(18)~~ is a disc ~~(11)~~ arranged concentrically to the element; ~~it,~~

[[-]] ~~a variable length hour hand (5) is present with~~ the indicating element includes an inner part ~~(14)~~ and an outer part ~~(13)~~, ~~whereby~~ wherein the inner part ~~(14) can be~~ is joined to the disc; ~~(11),~~

[[-]] the outer part ~~(13)~~ of the ~~hour hand (5) can slide~~ indicating element slides in relation to the inner part ~~(14)~~ in a radial direction[[,]];

[[-]] the radial movement of the outer part ~~(13)~~ of the ~~hour hand (5)~~ indicating element is caused by the guide pin ~~(21)~~, ~~which~~ wherein the guide pin is in engagement, at least indirectly, with the ~~said~~ outer part; ~~(13),~~

[[-]] the indicating element is the point of the outer part; and ~~(13) of the hour hand (5),~~

[[-]] the disc ~~(11)~~ is designed such that ~~it can cover the~~ the disc covers components for ~~the~~ guidance of the indicating element ~~(5) lying beneath it~~.

11. (Currently Amended) A clock according to Claim 10, ~~characterised in that~~ wherein the disc ~~(11)~~ has a radially running slit for the guide pin ~~(21)~~.

12. (Currently Amended) A clock according to Claim 9, ~~characterised in that~~ wherein:

[[-]] the indicating element at the position of the guide pin ~~(21)~~ is a marking applied to the gear wheel (E)[[,]]; and

[[-]] the ~~two-loop curve (31), which describes the track of the guid pin (21)~~ second conchoid is as large as the ~~two-loop closed curve (7)~~ first conchoid ~~of the track of the indicating element~~.